

# FERMILAB ENGINEERING NOTE

SECTION

PROJECT

SERIAL-CATEGORY  
H010426A

PAGE

SUBJECT Wiring Cerberus PE-11 Smoke Detector  
and RR-11 Relay Module in Place of PEC-3  
Smoke Detector for Use With Cook RMI

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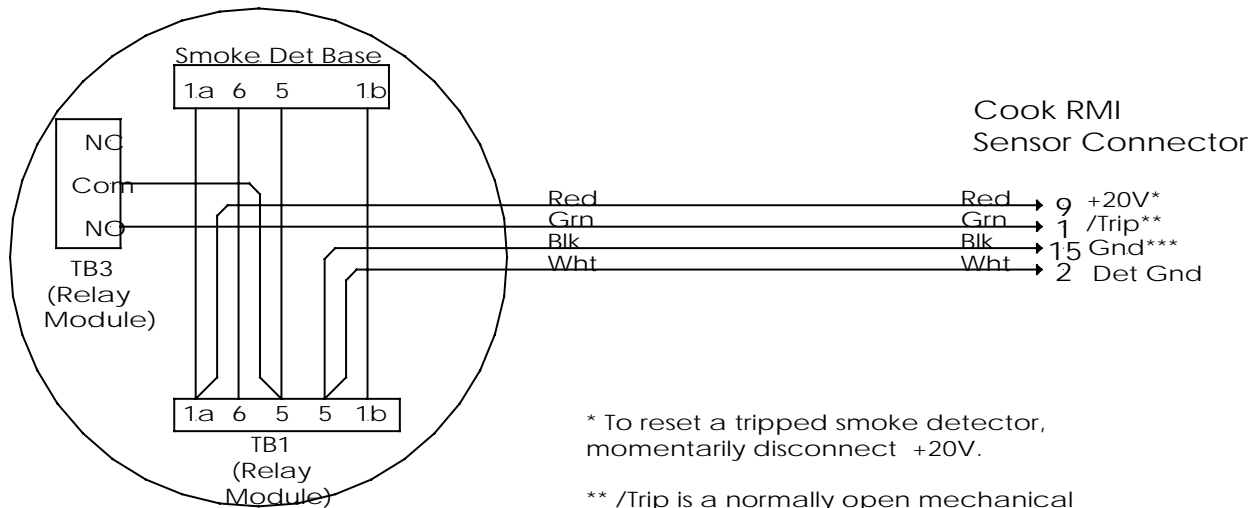
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## Instructions:

- 1) Mount RR-11 relay module on smoke det base per Cerberus instructions.
- 2) Connect smoke detector base terminals TB1 and TB3 terminals as shown below.
- 3) Connect sensor cable from Cook RMI to relay module TB1 and TB2 as shown below.
- 4) Strain relief cable to one of the mounting legs.

## Components:

- 1) Cerberus PE-11 Photoelectric smoke detector head.
- 2) Cerberus RR-11 Relay module.
- 3) 4" X 1.5" Octagonal electrical junction box.
- 4) 4-conductor cable, AWG 20 wire; Red, Grn, Blk, Wht.



\* To reset a tripped smoke detector, momentarily disconnect +20V.

\*\* /Trip is a normally open mechanical relay contact. It closes on detection of smoke and connects /Trip to Gnd.

\*\*\* Gnd and Det. Gnd are used to validate continuity of the wiring. i.e. the receiver electronics uses this path to ground its smoke threshold circuit.